

INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2005/050105

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: B23B 41/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: B23B, B23C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 3208211 A1 (G.A. SERLACHIUS OY), 30 Sept 1982 (30.09.1982), figure 1, abstract	1
Y	--	2-4
Y	US 4503693 A (LEO LARIKKA), 12 March 1985 (12.03.1985), figure 2, abstract	1-4
A	DE 4019704 A1 (VOLKSWAGEN AG), 3 January 1991 (03.01.1991), figure 1, abstract	1-4

☒ Further documents are listed in the continuation of Box C.
 ☒ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 15 August 2005	Date of mailing of the international search report 16-08-2005
Name and mailing address of the ISA/ Swedish Patent Office Box 5055, S-102 42 STOCKHOLM Facsimile No. +46 8 666 02 86	Authorized officer Fredrik Strand/MP Telephone No. +46 8 782 25 00

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 3501421 A1 (G.A. SERLACHIUS CORP.), 22 August 1985 (22.08.1985), figures 2,3, abstract --	1-4
A	US 3526167 A (FRANCISCO ESCOBEDO), 1 Sept 1970 (01.09.1970), figures 5,6,11, abstract --	1-4
A	US 4786219 A (CLAUDE OBERLIN ET AL), 22 November 1988 (22.11.1988), figure 7, abstract -- -----	1-4

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Information on patent family members

08/07/2005

International application No.

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DE 3208211 A1 30/09/1982

DE	3208212 A	30/09/1982
FI	810749 A	11/09/1982
FI	820204 A	11/09/1982
FR	2501546 A,B	17/09/1982
JP	57168816 A	18/10/1982
JP	58010409 A	21/01/1983
US	4503693 A	12/03/1985

US 4503693 A 12/03/1985

DE	3208211 A	30/09/1982
DE	3208212 A	30/09/1982
FI	810749 A	11/09/1982
FI	820204 A	11/09/1982
FR	2501546 A,B	17/09/1982
JP	57168816 A	18/10/1982
JP	58010409 A	21/01/1983

DE 4019704 A1 03/01/1991

NONE

DE 3501421 A1 22/08/1985

FI	840162 A	18/07/1985
JP	60210330 A	22/10/1985

US 3526167 A 01/09/1970

CA	927640 A	05/06/1973
CH	497652 A	15/10/1970
DE	1923272 A	11/12/1969
FR	2009211 A	30/01/1970
GB	1265743 A	08/03/1972
JP	51014751 B	12/05/1976
SE	373769 B,C	17/02/1975
US	3762272 A	02/10/1973

US 4786219 A 22/11/1988

AT	59712 T	15/01/1991
CA	1268976 A	15/05/1990
DE	3676371 D	00/00/0000
EP	0210080 A,B	28/01/1987
SE	0210080 T3	
FR	2581334 A,B	07/11/1986